Nitrate-Nitrite Nitrogen by Automated Colorimetry
EPA Method 353.2 Revision 2.0

Facility Name:_____VELAP ID_____

Assessor Name:_____Analyst Name:_____Inspection Date_____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst:_____ Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____					
Were samples collected in thoroughly cleaned plastic of glass bottles?	8.1				
Were samples preserved with sulfuric acid to a pH of <2 and cooled to 4°C at the time of collection?	8.2				
If samples were not analyzed as soon as possible after collection were they maintained at 4°C for no longer than 28 days?	8.3				
Were samples to be analyzed for nitrate or nitrite only analyzed within 48 hours?	8.4				
Were LCR, MDLs, and QCS measured prior to performing any sample analysis by this method?	9.2.1				
Were LCRs determined initially, every 6 months, or whenever as significant instrument change is observed?	9.2.2				
Were verifications of linearity done with a blank and a minimum of three standards and shown to be within ±10% of initial values?	9.2.2				
If any portions of the linear calibration range was shown to be nonlinear during verifications, were those nonlinear portions clearly defined by sufficient standards?	9.2.2				
Were QCS analyzed initially (prior to MDL determination) and quarterly thereafter and determined to be ±10% of stated values?	9.2.3				
Were MDLs determined for all analytes initially and every six months thereafter?	9.2.4				
Notes/Comments:					

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Was at least one LRB analyzed with each batch of samples?	9.3.1				
Was at least one LFB analyzed with each batch of samples and determined to be within 90-110% recovery or within ±3 standard deviations of mean percent recovery, whichever is better?	9.3.2				
Were Instrument Performance Checks (IPCs) consisting of mid-range check standards analyzed following daily calibration, every tenth sample, and at the end of the each run and determined to be ±10% of calibration?	9.3.4				
Were known amounts added to duplicate aliquots of a minimum of 10% of routine samples for LFM analysis?	9.4.1				
Were LFMs determined to have percent recoveries between 90-110%?	9.4.2				
Were LFM measurements outside of 90-110% determined to be matrix related rather than system related?	9.4.3				
Were samples adjusted to have pHs of between 5 and 9 with hydrochloric acid or ammonium hydroxide?	11.1				
Were samples that exceeded the highest calibration standard diluted, and only values that fell between the highest and lowest calibration standards reported?	12.2				
Were results reported in mg/L?	12.3				
Notes/Comments:					